Notice of Allowability	Application No.	Applicant(s)	
	09/974,048	SHINTANI ET AL.	
	Examin r	Art Unit	
	Tuan T Dinh	2827	
The MAILING DATE of this communication appe	ears on the cover sheet with the co	orrespondence addre	ess
All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	or other appropriate communication GHTS. This application is subject to	will be mailed in due	course. THIS
1. This communication is responsive to <u>11/24/03</u> .			
2. The allowed claim(s) is/are <u>1 and 3-11</u> .			
3. \boxtimes The drawings filed on <u>06 December 2001</u> are accepted by	the Examiner.		
 4.	nder 35 U.S.C. § 119(a)-(d) or (f).		
 Certified copies of the priority documents have been received. 			
2. Certified copies of the priority documents have been received in Application No			
3. Copies of the certified copies of the priority documents have been received in this national stage application from the			
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
5. Acknowledgment is made of a claim for domestic priority up reference was included in the first sentence of the specification.	ation or in an Application Data Sheet		a specific
(a) The translation of the foreign language provisional a			
6. Acknowledgment is made of a claim for domestic priority up in the first sentence of the specification or in an Application		nce a specific referen	ce was included
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of			
7. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF
8. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached	
1) hereto or 2) to Paper No	arrection filed		·
(b) ☐ including changes required by the proposed drawing correction filed, which has been approved by the Examiner.			
(c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			back) of
9. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT FOR T			Note the
Attachm nt(s)			
1 Notice of References Cited (PTO-892)	5 ☐ Notice of Informal Parents The state of the state o	tent Application (PTO	-152)
2☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6☐ Interview Summary (F	terview Summary (PTO-413), Paper No	
3☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No	7 Examiner's Amendme	ent/Comment	
4☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8⊠ Examiner's Statemen 9□ Other .	t of Reasons for Allov	vance

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DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Allison M. Bowles (Reg. No. 48,294) on November 24, 2003.

The application has been amended as follows:

Claim 1, line 3, after "soldering bump" please, insert –provided on the terminal portion--.

Claim 5, line 3, after "soldering bump" please, insert –containing tin and at least one of silver and copper--.

Allowable Subject Matter

- 2. Claims 1, and 3-11 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: the references cited do not teach or render in combination of a circuit board and a connection structure comprising a terminal portion having a base layer, and a conductive layer disposed between the base layer and a nickel plating layer, the nickel

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plating layer having a thickness within a range of 1.0-4.0um and further comprising a soldering bump provided on the terminal portion.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T Dinh whose telephone number is 703-306-5856. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kammie Cuneo can be reached on 703-308-1233. The fax phone number for the organization where this application or proceeding is assigned is 703-305-1341.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0658.

Tuan Dinh November 25, 2003.

> Primary EXM H13013